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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/816,122	04/01/2004	Masaru Takayama	04-248 9621	
	7590 06/19/200 LAPOINTE, P.C.	EXAMINER		
900 CHAPEL S	•	JOYCE, WILLIAM C		
SUITE 1201 NEW HAVEN	. CT 06510	ART UNIT	PAPER NUMBER	
	,		3682	
			MAIL DATE	DELIVERY MODE
			06/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application N	0.	Applicant(s)				
Office Action Summary		10/816,122		TAKAYAMA, MASARU				
		Examiner		Art Unit				
	•	William C. Joy	ce	3682				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period is re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS (36(a). In no event, he will apply and will exp a cause the application	COMMUNICATION bowever, may a reply be time ire SIX (6) MONTHS from a in to become ABANDONE	N. nely filed the mailing date of this co				
Status		•						
2a) <u></u>	,—	action is non-f	formal matters, pro		e merits is			
Dispositi	on of Claims							
5)	Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-4 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct Theorem Replacement drawing sheet(s) including the c	or election requier. er. epted or b) c drawing(s) be he tion is required if	rement. Objected to by the End in abeyance. See the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CF	• •			
Priority ι	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
2) D Notic 3) D Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) [5) [6) [ite				

DETAILED ACTION

This Office Action is in response to the Election filed May 30, 2007 for the above identified patent application.

Election/Restrictions

1. Applicant's election without traverse of Group I in the reply filed on May 30, 2006 is acknowledged.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Watt (USP 4,902,162).

Watt illustrates in figure 8 a resin gear (column 3, lines 19-24) comprising: a rim having teeth on an outer periphery thereof; a hub for receiving therein a driving shaft, one end portion of the hub having a key receiving portion (12) for engaging a key (6) of

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the driving shaft; and a web extending in radial directions to connect said rim to said hub, wherein said key receiving portion has a side wall for preventing relative rotation of the key to the hub, and a bottom wall for allowing the key and the hub from being positioned in directions parallel to the driving shaft, and a portion of said web surrounding the hub and key receiving portion is arranged so as to be shifted from the bottom wall of the key receiving portion toward a contact portion in which the key contacts the side wall of the key receiving portion.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note the gear mounting arrangement of Harwath ('939), Crawford ('831) and German reference 26 11 882.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Joyce whose telephone number is (571) 272-7107. The examiner can normally be reached on Monday - Thursday 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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